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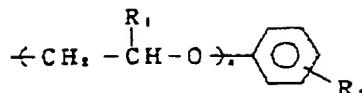
YASUDA HIDEKI

WATER-BASE PRINTING INK

Abstract:

PURPOSE: To obtain the title ink excellent in the adhesion to a film and a metal foil, blocking resistance, leveling properties, and gloss, by using as binder component a resin solution made by adding ammonia to a specified acrylic copolymer to dissolve it in an aqueous medium.

CONSTITUTION: The title ink is obtained by using as binder component a resin solution made by the solution polymerization of a monomer mixture comprising 3-50wt% vinyl monomer containing alkylene oxide groups of the formula in the molecule, 3-20wt% carboxylated vinyl monomer, and the remainder of 30-94wt% other copolymerizable vinyl monomer to give an acrylic copolymer, and adding ammonia or amine thereto to dissolve it in an aqueous medium. This ink is diluted to a proper viscosity with water or a mixture of water and an alcohol, preferably a lower alcohol such as ethyl alcohol, and used for printing on various plastic films by the gravure or flexographic printing.



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